



123178

**\*\*\*\* CONFIDENTIAL \*\*\*\***  
**\*\*\*\*PRE-DECISIONAL DOCUMENT \*\*\*\***  
**\*\*\*\* SUMMARY SCORESHEET \*\*\*\***  
**\*\*\*\* FOR COMPUTING PROJECTED HRS SCORE \*\*\*\***

**\*\*\*\* Do Not Cite or Quote \*\*\*\***

Site Name: Ames Rubber

Region: 2

City, County, State: Wantage, Sussex, NJ  
NJ

Evaluator: Ray Pogwist

EPA ID#: NJD000818518

Date: 5/8/2008

Lat/Long: 41 11 35 / 74 34 50

T/R/S:

Congressional District:

This Scoresheet is for: Other

Scenario Name: Reassessmnet

Description: GW observed, SW observed, Level 1, Level 2

	S pathway	S <sup>2</sup> pathway
Ground Water Migration Pathway Score (S <sub>gw</sub> )	9.7	94.09
Surface Water Migration Pathway Score (S <sub>sw</sub> )	28.14	791.8596
Soil Exposure Pathway Score (S <sub>s</sub> )		
Air Migration Score (S <sub>a</sub> )		
$S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2$		885.9496
$(S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2)/4$		221.4874
$/(S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2)/4$		14.88

u Pathways not assigned a score (explain):

DECLASSIFIED  
DECLASSIFIED

2/18/15

Date:

Initial:

Date:

Initial:

TABLE 3-1 --GROUND WATER MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned
<b>Aquifer Evaluated:</b>		
<b>Likelihood of Release to an Aquifer:</b>		
1. Observed Release	550	550
2. Potential to Release:		
2a. Containment	10	10
2b. Net Precipitation	10	3
2c. Depth to Aquifer	5	3
2d. Travel Time	35	35
2e. Potential to Release [(lines 2a(2b + 2c + 2d)]	500	410
3. Likelihood of Release (higher of lines 1 and 2e)	550	550
<b>Waste Characteristics:</b>		
4. Toxicity/Mobility	(a)	100
5. Hazardous Waste Quantity	(a)	1
6. Waste Characteristics	100	3
<b>Targets:</b>		
7. Nearest Well	(b)	5
8. Population:		
8a. Level I Concentrations	(b)	0
8b. Level II Concentrations	(b)	0
8c. Potential Contamination	(b)	159
8d. Population (lines 8a + 8b + 8c)	(b)	159
9. Resources	5	5
10. Wellhead Protection Area	20	0
11. Targets (lines 7 + 8d + 9 + 10)	(b)	169
<b>Ground Water Migration Score for an Aquifer:</b>		
12. Aquifer Score [(lines 3 x 6 x 11)/82,5000] <sup>c</sup>	100	3.38
<b>Ground Water Migration Pathway Score:</b>		
13. Pathway Score ( $S_{gw}$ ), (highest value from line 12 for all aquifers evaluated) <sup>c</sup>	100	3.38

<sup>a</sup> Maximum value applies to waste characteristics category<sup>b</sup> Maximum value not applicable<sup>c</sup> Do not round to nearest integer

TABLE 4-1 --SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned
Watershed Evaluated:		
<b>Drinking Water Threat</b>		
<b>Likelihood of Release:</b>		
1. Observed Release	550	0
2. Potential to Release by Overland Flow:		
2a. Containment	10	
2b. Runoff	10	
2c. Distance to Surface Water	5	
2d. Potential to Release by Overland Flow [(lines 2a)(2b + 2c)]	35	
3. Potential to Release by Flood:		
3a. Containment (Flood)	10	
3b. Flood Frequency	50	
3c. Potential to Release by Flood (lines 3a x 3b)	500	
4. Potential to Release (lines 2d + 3c, subject to a maximum of 500)	500	
5. Likelihood of Release (higher of lines 1 and 4)	550	0
<b>Waste Characteristics:</b>		
6. Toxicity/Persistence	(a)	
7. Hazardous Waste Quantity	(a)	
8. Waste Characteristics	100	0
<b>Targets:</b>		
9. Nearest Intake	50	
10. Population:		
10a. Level I Concentrations	(b)	
10b. Level II Concentrations	(b)	
10c. Potential Contamination	(b)	
10d. Population (lines 10a + 10b + 10c)	(b)	
11. Resources	5	
12. Targets (lines 9 + 10d + 11)	(b)	
<b>Drinking Water Threat Score:</b>		
13. Drinking Water Threat Score [(lines 5x8x12)/82,500, subject to a max of 100]	100	0
<b>Human Food Chain Threat</b>		
<b>Likelihood of Release:</b>		
14. Likelihood of Release (same value as line 5)	550	0
<b>Waste Characteristics:</b>		
15. Toxicity/Persistence/Bioaccumulation	(a)	
16. Hazardous Waste Quantity	(a)	0
17. Waste Characteristics	1000	0
<b>Targets:</b>		
18. Food Chain Individual	50	0
19. Population		
19a. Level I Concentration	(b)	
19b. Level II Concentration	(b)	
19c. Potential Human Food Chain Contamination	(b)	
19d. Population (lines 19a + 19b + 19c)	(b)	
20. Targets (lines 18 + 19d)	(b)	
<b>Human Food Chain Threat Score:</b>		
21. Human Food Chain Threat Score [(lines 14x17x20)/82500, subject to max of 100]	100	0
<b>Environmental Threat</b>		
<b>Likelihood of Release:</b>		
22. Likelihood of Release (same value as line 5)	550	0
<b>Waste Characteristics:</b>		
23. Ecosystem Toxicity/Persistence/Bioaccumulation	(a)	
24. Hazardous Waste Quantity	(a)	0
25. Waste Characteristics	1000	0

**Targets:**

26. Sensitive Environments	
26a. Level I Concentrations	(b)
26b. Level II Concentrations	(b)
26c. Potential Contamination	(b)
26d. Sensitive Environments (lines 26a + 26b + 26c)	(b)
27. Targets (value from line 26d)	(b)

**Environmental Threat Score:**

28. Environmental Threat Score [(lines 22x25x27)/82,500 subject to a max of 60]	60	0
---	----	---

**Surface Water Overland/Flood Migration Component Score for a Watershed**

29. Watershed Score <sup>c</sup> (lines 13+21+28, subject to a max of 100)	100	0
--	-----	---

**Surface Water Overland/Flood Migration Component Score**

30. Component Score ( $S_{sw}$ ) <sup>c</sup> (highest score from line 29 for all watersheds evaluated)	100	0
---	-----	---

<sup>a</sup> Maximum value applies to waste characteristics category

<sup>b</sup> Maximum value not applicable

<sup>c</sup> Do not round to nearest integer

TABLE 4-25 --GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned
Aquifer Evaluated:		
<b>Drinking Water Threat</b>		
<b>Likelihood of Release to an Aquifer:</b>		
1. Observed Release	550	0
2. Potential to Release:		
2a. Containment	10	9
2b. Net Precipitation	10	6
2c. Depth to Aquifer	5	3
2d. Travel Time	35	25
2e. Potential to Release [(lines 2a)(2b + 2c + 2d)]	500	306
3. Likelihood of Release (higher of lines 1 and 2e)	550	306
<b>Waste Characteristics:</b>		
4. Toxicity/Mobility	(a)	40
5. Hazardous Waste Quantity	(a)	1
6. Waste Characteristics	100	2
<b>Targets:</b>		
7. Nearest Well	(b)	
8. Population:		
8a. Level I Concentrations	(b)	0
8b. Level II Concentrations	(b)	0
8c. Potential Contamination	(b)	159
8d. Population (lines 8a + 8b + 8c)	(b)	159
9. Resources	5	
10. Targets (lines 7 + 8d + 9)	(b)	159
<b>Drinking Water Threat Score:</b>		
11. Drinking Water Threat Score [(lines 3 x 6 x 10)/82,500, subject to max of 100]	100	1.18
<b>Human Food Chain Threat</b>		
<b>Likelihood of Release:</b>		
12. Likelihood of Release (same value as line 3)	550	306
<b>Waste Characteristics:</b>		
13. Toxicity/Mobility/Persistence/Bioaccumulation	(a)	5000
14. Hazardous Waste Quantity	(a)	1
15. Waste Characteristics	1000	6
<b>Targets:</b>		
16. Food Chain Individual	50	
17. Population		
17a. Level I Concentration	(b)	
17b. Level II Concentration	(b)	
17c. Potential Human Food Chain Contamination	(b)	0.3
17d. Population (lines 17a + 17b + 17c)	(b)	0.3
18. Targets (lines 16 + 17d)	(b)	0.3
<b>Human Food Chain Threat Score:</b>		
19. Human Food Chain Threat Score [(lines 12x15x18)/82,500,subject to max of 100]	100	0.006676363 63636364
<b>Environmental Threat</b>		
<b>Likelihood of Release:</b>		
20. Likelihood of Release (same value as line 3)	550	306
<b>Waste Characteristics:</b>		
21. Ecosystem Toxicity/Persistence/Bioaccumulation	(a)	2000
22. Hazardous Waste Quantity	(a)	1
23. Waste Characteristics	1000	6
<b>Targets:</b>		
24. Sensitive Environments		
24a. Level I Concentrations	(b)	75
24b. Level II Concentrations	(b)	75

24c. Potential Contamination	(b)	75	
24d. Sensitive Environments (lines 24a + 24b + 24c)	(b)	159	
25. Targets (value from line 24d)	(b)		159
<b>Environmental Threat Score:</b>			
26. Environmental Threat Score [(lines 20x23x25)/82,500 subject to a max of 60]	60		3.55
<b>Ground Water to Surface Water Migration Component Score for a Watershed</b>			
27. Watershed Score <sup>c</sup> (lines 11 + 19 + 28, subject to a max of 100)	100		4.736676363 63636
28. Component Score (S <sub>gs</sub> ) <sup>c</sup> (highest score from line 27 for all watersheds evaluated, subject to a max of 100)	100		4.736676363 63636

<sup>a</sup> Maximum value applies to waste characteristics category

<sup>b</sup> Maximum value not applicable

<sup>c</sup> Do not round to nearest integer